MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER, 1926

J. A. BROWN, DIRECTOR

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DECEMBER 1926

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude				Thermometer Cent.			Bright Sun-shine	Rain
	8:30	2:30	8:30	Mean	Max.	Min.	Min on grass	hrs.	m.m.
1	754.1	762.8	763 5	763.5	19.8	13.9		2.9	3.22
2	4.5	3.2	4.1	3.9	19.7	14.1		5.1	
3	4.5	3.2	3.1	3.6	21.0	14.1		9.4	
4	1.9	0.9	1.8	1.5	24.6	17.8		5.3	
5	2.8	1 6	1.2	1.9	21.4	16.7		0.5	
6	1.6	0.0	0.1	0.6	21.0	14.8		2.8	
7	59.0	57.5	55.0	57.2	21.4	16.7		4.6	1.73
8	4.0	3.7	3.7	3.8	22.9	16.2		0.7	27.60
9	3.6	3.3	4.8	3.9	16.3	11.8		0.5	73.51
10	3.2	3.0	2.2	2 8	16.8	12.6		0.0	22.55
11	4.4	3.7	4.7	4.3	16.8	10.8		0.0	52.53
12	7.4	60.7	63.2	60.4	16.6	10 1		0.8	17.22
13	66.4	5.3	6.3	6.0	17.2	12.8		8.6	1.40
14	5.6	3.9	3.3	4.3	18.3	12.9		8.2	
15	1.2	0.4	2.4	1.3	18.7	14.7		5.1	
16	3.5	3.0	3.3	3.3	16.7	11.7		0.0	4.62
17	3.1	2.6	3.6	3.1	18.1	13.1		2.8	40.12
18	3.6	2 9	3.2	3.2	18.0	13.4		1.1	15.74
19	3.4	2.7	3.7	3.3	19.4	13 6		5.2	7.49
20	3.2	1.4	0.0	1 5	19.4	13.6		7.1	
21	58.9	57.6	0.4	59.0	19.4	15.6		8.4	3.05
22	65.1	66.1	7.9	66 4	19.4	12.4		8.4	130.0
23	9.2	7.6	7.2	8 0	18.7	14.2		4.9	
24	4.7	3.4	3.9	4.0	18.9	14.9		5.1	
25	5 2	5.1	6.2	5.5	18.9	14.0		5.3	.92
26	6.7	5.9	7.0	6.5	18.4	13.7		5.6	.51
27	8.8	8.4	9.0	8.7	18.1	12.4		8.9	2 60
28	9.6	9.1	9.2	9 3	16.0	11.4		9.0	
29	7.0	3.5	2.0	4.2	17.7	11.8		3.8	
30	0.0	58.6	0.0	59.5	20.8	13.4		1.5	
31	3.8	64.2	5.5	64.5	18.9	14.8		8.6	
	762 58	761.78	762 31	762.23	19.01	13 68		4.59	287.81

BAROMETER

Maximum 769.6 on 28th.
Minimum 752.2 on 10th

THERMOMETER

Maximum 24 6 on 4th
Minimum 10.1 on 12th

RAINFALL

Maximum 73.51 on 9th

Number of days with rain 17, thunderstorms 4, gales 3

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METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapor m.m.				Relative Moisture per cent.			
	8.30	2.30	8:30	Mean	8:30	2:30	8:30	8:30	2:30	8:30	Mean	8:30	2:30	8:30	Mean
1	13.9	18.9	16.1	16.3	12.9	15 3	13.6	10.4	10.6	10.0	10 3	87	66	74	76
2	18.4	18.7	16.7	17.9	14.9	14.9	14.4	10.4	10.4	10.8	10.5	66	66	77	70
3	18.8	20.1	18.9	19.3	15.0	15.7	15.0	10.4	10.6	10.9	10.6	65	61	68	65
4	19.4	23.0	18.2	20.2	12.8	21.4	14.2	7.7	17.8	9.8	11.8	46	85	62	64
5	18.4	20.6	18.5	19.2	14.3	17.6	15.3	9.8	12.8	10.9	11.2	62	71	70	68
6	19.6	20.1	17.8	19.2	16.4	16.3	15.6	11.8	11.5	11 7	11.7	70	65	77	71
7	19.6	20.8	20.3	20.2	16.3	17.1	15.6	11.7	12.1	10.3	11.4	69	66	58	64
8	16.9	12.3	13.5	14.2	15.4	11.7	12.3	12.0	9.9	9.9	10.6	84	93	86	88
9	14.8	15.9	14.9	15.2	13.6	13.6	11.7	10.9	10.2	8.4	9.8	87	76	67	77
10	13.9	14.1	14.5	14.2	11.4	13.3	12.4	8.7	10.8	9.5	9.7	74	90	77	80
11	10.9	13.3	11.7	13.0	10.0	10.2	9.9	8.6	7.7	8.0	8.1	88	67	78	78
12	14.1	16.3	13.3	14.6	12.8	13.2	11.3	10.2	9.4	8.9	9.5	85	69	78	77
13	15.5	17.0	14.7	15.7	12.7	14.1	12.4	9.3	10.2	9.4	9.6	71	71	75	72
14	16.9	17.8	16.0	16.9	12.2	14.1	12.8	8.1	9.8	9.1	9.0	57	64	68	63
15	17.8	17.6	13.7	16.4	16.2	16.6	11.8	12.5	13.4	14.4	13.4	83	89	79	84
16	14.7	14.4	13.5	14.2	11.8	12.8	11.8	8.8	10.1	9.3	9.4	71	82	81	78
17	13.7	16.6	14.2	14.8	13.1	14.9	13.4	10.8	11.5	11.0	11.1	93	83	90	89
18	14.9	15.7	14.4	15.0	13.1	14.8	14.1	10.1	11.9	11.7	11.2	80	90	95	88
19	16.7	18.3	15.8	16.9	14.6	15.8	13.9	11.0	11.7	10.6	11.1	78	75	80	78
20	16.8	17.8	15.8	16.8	14.2	15.7	13.9	10.5	11.8	10.6	11 0	74	78	80	77
21	18.3	18.4	14.7	17 1	16.5	15.6	14.4	12.8	11.4	12.1	12.1	82	73	98	84
22	14.5	17.7	18.0	16.7	14.2	15.6	16.0	11.8	11.7	12.3	11.9	96	77	80	84
23	16.2	18.3	17.3	17.3	13.7	15.6	15.6	10.1	11.4	12.0	11.2	74	73	81	76
24	16.0	18 3	16.2	16.8	13 0	16.6	14.0	9.3	12.8	10.4	10 8	69	81	77	76
25	16.7	18.5	15.7	17.0	14.4	16 9	13 8	11.2	13.3	10.6	11.7	79	84	80	81
26	17.9	17.7	15.2	16.9	13.3	15.1	13.8	8.8	11.1	10.9	10.3	58	74	85	72
27	15.9	16.9	14.9	16.4	13.4	15.4	14.7	10.0	12.1	12.1	11.0	74	85	95	79
28	14.4	15.8	12.9	14 4	11.8	11.7	10.1	8.8	8.1	7.7	8 2	72	60	70	67
29	13.8	17.1	15.4	15.4	11.7	13.5	13.3	14.0	9.4	10.1	11.2	76	66	77	73
30	19 7	XX	XX	XX	15.3	XX	XX	10 3	XX	XX	XX	60	XX	XX	XX
31	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
	16.30	17.52	15.64	16.48	13.70	15 00	13.44	10.36	11.22	10.40	10.67	74.3	75 2	77.4	75.8

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max 1.75 m.; Min. 1·70 m

Height of Rain Gauge: above ground 0.56 m.; above sea level 30 31 m

Gravity Correction — 0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

N.B. The Wet and Dry Bulbs were out of order on the 30th. and 31st.

DECEMBER 1926

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	Mean	8:30	2:30	8:30	Km.		
1	10 cu n	7cu ci	2	6.3	2n	1	1se	41.2	calm	th. storm
2	1	1	1	1.0	0	1e	1e	53.4	,,	
3	2	8ci	8ci	6 0	1	1	1e	78.1	,,	dew
4	8	9	1	6.0	1e	2	1	132.2	,,	lightning n.
5	7cu ci	9cu ci	9cu ci	8.3	1e	1	1w	137.8	v. slight	lightning n.
6	3 cu n	7cu ci	2cu ci	4.0	2n	1n	1e	255.3	,,	
7	4cu ci	3	3	3.3	0	0	0	49.3	calm	
8	9cu n	10cu n	5cu n	8.0	5	6s	2e	481.7	rough	th. st., gale
9	8cu n	5cu n	7cu n	6.7	3s	3s	1	287.1	slight	th. st., gale
10	8cu cin	10cu n	10cu n	9.3	6e	5	8	603.7	rough	light.th. gl.
11	10cu n	8cu n	10cu n	9.3	9	8s	7s	929.7	,,	th. gale fog
12	10cu n	8cu n	3	7.0	3s	5	1s	454.3	,,	lightning n
13	3	4	4	3.7	3s	2	1e	180.5	v. slight	snow on mt.
14	1	3cu ci	0	1.3	2e	3e	3s	103.8	,,	
15	0	3cu ci	5	2.7	1s	5	2e	161.9	calm	lightning n.
16	3	8cu n	7cu n	6.0	0	1s	1e	209.5	,,	lightning
17	9cu n	9	10cu n	9 3	0	0	1e	262.6	,,	lightning
18	5cu ci	10cu n	10cu n	8 3	1e	2se	0	177.0	,,	
19	4	4	2	3.3	1	2	1e	212.3	,,	
20	1	5cu ci	4cu ci	3.3	0	1n	0	30.3	,,	
21	1	3	10cu n	4.7	2s	5w	7	369.8	rough	th. storm
22	10cu n	6cu n	6cu n	7.3	1w	2	5	398.0	slight	
23	3ci	10cu ci	7cu ci	6.7	1s	1s	4ne	234.9	v. slight	
24	9cu ci	9cu ci	2cu ci	6.7	2s	0	1s	80.5	calm	
25	4	6	6cu n	5.3	1s	0	0	58.2	,,	
26	6	5	3	4.7	1e	2	2e	93.0	,,	
27	2	2	3	2.3	2se	5n	1e	159.6	slight	
28	1	1ci	1ci	1.0	1s	1	1e	59.0	calm	
29	10cu ci	9cu ci	8ci	9.0	1e	2e	0	87.7	,,	
30	9cu ci	10cu ci	6cu ci	8.3	1	4	2	321.9	v. slight	lightning
31	3cu ci	4cu ci	0	2.3	0	4	1e	171.7	calm	
				5.53				221.81		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	2	0	7	1	9	5	1	0	6
2:30	3	0	3	1	5	14	1	0	4
8.30	0	1	13	1	4	6	1	0	5
Totals	5	1	23	3	18	25	3	0	15

N. B — Cloud numbers without letters are all cu
Wind ,, ,, ,, ,, sw